

ABSTRACT OF THE DISCLOSURE

An electronic imaging system for component to substrate alignment utilizes a single imager and a moveable reflector mounted together in an imager body. The imager body can move into and out of position between a pick-up head of a placement machine, rework machine or similar device, and a target substrate. The imager moves into position for performing alignment tasks. The moveable reflector moves to a first position to image a component held by the pick-up head and a second position to image the substrate. This may be accomplished by mounting the reflector for rotational movement. The imager then moves out of position to permit the pick-up head to perform its placement tasks once alignment is determined. The component can thus be imaged while the pick-up head carries the component from the pick-up position to the place position.